

HT-111IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant: Hans Bodin & : Examiner: Patricia L. Engle
Paul Akerstrom :
Title: An Inner Panel For : Group Art Unit: 3612
A Vehicle Door :
Serial No. 10/632,015 :
Filed: July 31, 2003 :

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION UNDER 37 CFR 1.131

Hans Bodin and Paul Akerstrom hereby declare as follows:

1. We are the joint inventors of the subject matter disclosed and claimed in the above identified United States patent application;
2. The invention as claimed in the patent application was conceived by us in Sweden at least as early May 2, 2000;
3. Attached hereto is a true copy of an e-mail correspondence between us dated May 2, 2000 and a drawing attached to the e-mail (the text of the e-mail not relating to the enclosed drawing has been redacted);

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

Mark P. Stone
MARK P. STONE
Reg. No. 27,954

8/25/04
(Date of Deposit)

4. The drawing of attached Exhibit A illustrates, among other things, a vehicle door inner panel comprising a front end wall, a rear end wall, and a reinforcement beam fastened between said front and rear end walls for transmitting force from a first door pillar to which the door is fastened to a second door pillar situated behind said door in the event of a collision, in which the reinforcement beam is formed from first and second portions merging together, the first portion formed as a single hat profile, and the second portion formed as a double hat profile; the single hat profile formed from a single open channel having first and second outer flanges extending, respectively, outwardly from opposed sides of said opened channel, the first and second outer flanges also extending longitudinally along the reinforcement beam; the double hat profile formed from two opened channels, a common inner flange connecting adjacent inner sidewalls of the two open channels, and the first and second outer flanges extending outwardly from outer sides of the first and second opened channels, respectively.

5. The invention disclosed and claimed in the above identified United States patent was conceived by us at least as early as May 2, 2000, and was developed with due diligence through the filing of Swedish Patent Application No. 0100356-5 on February 2, 2001, from which the above identified United States patent application has claimed priority pursuant to 35 U.S.C. Section 119(a).

6. The undersigned further declare that all statements made herein of their own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the subject patent application or any patent issued thereon.

Dated: August 23 2004 Signed: Hans Bodin
Lulea, Sweden Hans Bodin

Dated: August 23 2004 Signed: Paul Akerstrom
Lulea, Sweden Paul Akerstrom

Paul Akerstrom |
2000-05-02 13:13 |



Till: Hans Bodin/RD/Lule/SE/HardTech@HardTech_SE

Kopia:

Ärende: Animations and force-intrusion curves.

Hello Hans und Ralf!

Short explanations:

Door 1:

Door 2: HT double profiled Coshyp with integrated front bracket w/o coverplate, beam sheet thickness 2.0 mm, shortened original waist.

Door 3:

Door 4:

(See attached file: force_intrusion_curves.xls)(See attached file:
door1_volvotype16.mpg)(See attached file: door2_deos.mpg)(See attached
file: door3_50kN.mpg)(See attached file: door4_orig.mpg)

